

9/20/04 IDS

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/091,360
		Filing Date	03/04/2002
		First Named Inventor	Tsipouras et al.
		Art Unit	1631
		Examiner Name	L.A. Clow
Sheet 1 of 1	Attorney Docket Number	IK-110.3(C)	

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
LAC	1	US-3,887,466	06/03/1975	Ayers	
	2	US-3,586,064	06/22/1971	Brown et al.	
	3	US-4,828,716	05/09/1989	McEwen	
	4	US-5,073,857	12/1991	Peters et al.	
	5	US-5,645,715	07/08/1997	Coombs	
	6	US-5,859,700	1/12/1999	Yang	
	7	US-5,949,556	09/07/1999	Tamai	
	8	US-5,995,645	11/30/1999	Soenksen et al.	
	9	US-5,936,731	08/10/1999	Cabib et al.	
	10	US-6,005,964	12/21/1999	Reid et al.	
	11	US-6,026,174	2/15/2000	Palcic et al.	
	12	US-6049,421	04/11/2000	Raz et al.	
	13	US-6,087,134	07/11/2000	Saunders	
	14	US-6,140,997	10/31/2000	Tanaka	
LAC	15	US-6,211,955	04/03/2001	Basiji et al.	
	16				
	17				

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature	<i>Law A. Clow</i>	Date Considered	<i>May 26, 2005</i>
--------------------	--------------------	-----------------	---------------------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁷Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

9/20/04 FDS

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/091,360		
		Filing Date	03/04/2002		
		First Named Inventor	Tsipouras et al.		
		Art Unit	1631		
		Examiner Name	L.A.Clow		
Sheet	1	of	1	Attorney Docket Number	IK-110.3(C)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
LAC	1	International Search Report, International appl. No. PCT/US02/31684 of December 23, 2002	
Examiner Signature	L.A. Clow		Date Considered
			May 26, 2005

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/091,360
Filing Date	03/04/2002
First Named Inventor	Tsipouras et a
Art Unit	1631
Examiner Name	Clow, Lori A.
Attorney Docket Number	IK-110.3 (C)

U.S. PATENT DOCUMENTS

[illegible]

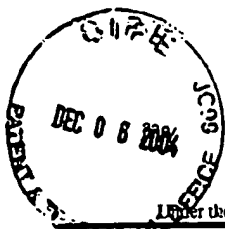
FOREIGN PATENT DOCUMENTS

Examiner Initials ²	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
LAC	A	WO 99/58972	11/18/99	PCT		
↓	B	WO 99/08091	02/18/99	PCT		
	C	WO 99/02960	01/21/99	PCT		
	D	WO 97/43732	11/20/97	PCT		
	E	WO 97/20198	06/07/97	PCT		
	F	WO 94/02646	02/03/94	PCT		
	G	WO 93/18186	09/16/93	PCT		
	H	EP 0 713 086 B1	04/14/99	EPO		
LAC	I	EP 0 595 506	05/04/94	EPO		

Examiner Signature	<i>Lori A. Claw</i>	Date Considered	<i>May 26, 2005</i>
-----------------------	---------------------	--------------------	---------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/091,360
Filing Date	03/04/2002
First Named Inventor	Tsipouras et al.
Art Unit	1631
Examiner Name	Clow, Lori A
Attorney Docket Number	IK-110.3(C)

Sheet

1

of

1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
LAC	1	Baxes, 1994, "Digital Image Processing Passage", U.S., New York, Wiley, pp. 127-137	
	2	Mesker et al., 1994, "Detection of Immunocytochemically Stained Rare Events Using Image Analysis" Cytochemistry 17 pp. 209-215	
	3	Oosterwijk et al., 1998, "Strategies for Rare-Event Detection: An Approach for Automated Fetal Cell Detection in Maternal Blood" Am. J. Hum. Genet. 63, pp. 1783-1792	
	4	Oosterwijk et al., 1998, "Development of Preparation and Staining Method for Fetal Erythroblasts in Maternal Blood: Simultaneous Immunocytochemical Staining and FISH Analysis, Cytometry 32, pp. 170-177	
	5	Oosterwijk et al., 1998, "Fetal Cell Detection in Maternal Blood: A Study in 236 Samples Using Erythroblast Morphology, DAB and HbF Staining, and Fish Analysis" Cytometry 32 pp 178-185	
	6	Tanke et al., 1996, "Detection of Rare Event" Fetal Erythroblast in Maternal Blood Using Automated Microscopy", Early Devel. 47 Suppl. pp. S89-S93	
	7	Verwoerd et al., 1987, "Somatic Cell Mutation in Humans Detected by Image Analysis of Immunofluorescently Stained Erythrocytes", in: Clinical Cytometry and Histometry, Burger et al., eds., Academic Press, pp. 465-469	
LAC	8	Lizardi et al., 1998, Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-circle Amplification, Nature Genetics, 19 (3) pp225-232	

Examiner Signature

Lori A. Clow

Date
Considered

May 26, 2005

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.